

Job Risk Analysis																		
Name(s) of Risk Team Members: J. Maraviglia, R. Anderson, S. Seberg				Point Value → Parameter ↓		1		2		3		4		5				
Job Title: Machining Work Job Number or Job Identifier: JRA 24-06				Frequency (B)		≤once/year		≤once/month		≤once/week		≤once/shift		>once/shift				
Job Description: Turning a magnetic field shield (1004 Steel) on a lathe. Bldg 905 Machine Shop.				Severity (C)		First Aid Only		Medical Treatment		Lost Time		Partial Disability		Death or Permanent Disability				
Training and Procedures List (optional): Machine safety training checklist				Likelihood (D)		Extremely Unlikely		Unlikely		Possible		Probable		Multiple				
Approved by: E. Lessard Date: 5/5/2006 Rev. #: 0																		
Stressors (if applicable, please list all):				Reason for Revision (if applicable):						Comments:								
					Before Additional Controls										After Additional Controls			
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction		
Install cutting tool into lathe tool post	Cut by sharp object	Training, gloves, worker experience	N	1	4	1	2	8										
Adjust feed speed on lathe, and set work-piece RPM	Being struck by object or tool if wrong feed speed is selected or wrong RPM is set	Training, checking/observing speeds prior to cutting operation, safety glasses, feed speed and RPM data from Machinery's Handbook	N	1	4	2	2	16										
Turning operation	Being struck by object, hot metal chips	Training, safety glasses, machine guard, cutting fluid to cool metal	N	1	4	2	2	16										
Turning operation	Repetitive arm/hand motion	Take appropriate breaks from specific task, change of activity, automatic feeds	N	1	4	2	2	16										
Cleaning away chips	Cut by sharp chips, burnt by hot chips	Stop machine, use of hand tools such as pliers and brushes, use of gloves	N	1	4	2	2	16										
De-burring finished part	Cut by sharp edge	Training, use of proper hand tools, gloves	N	1	4	2	3	24										
*Risk:	0 to 20	21 to 40		41-60				61 to 80				81 or greater						
	Negligible	Acceptable		Moderate				Substantial				Intolerable						